| Electronic Acknowledgement Receipt   |  |  |  |  |
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| EFS ID:                              | 8214334  |  |  |  |
| Application Number:                  | 10673583   |  |  |  |
| International Application Number:    |  |  |  |  |
| Confirmation Number:                 | 1606   |  |  |  |
| Title of Invention:                  | System and method for using first-principles simulation to provide virtual sensors that facilitate a semiconductor manufacturing process |  |  |  |
| First Named Inventor/Applicant Name: | Andrej S. Mitrovic   |  |  |  |
| Customer Number:                     | 22850  |  |  |  |
| Filer:                               | Marvin Jay Spivak/Hanna Senbetta   |  |  |  |
| Filer Authorized By:                 | Marvin Jay Spivak  |  |  |  |
| Attorney Docket Number:              | 230420US6YA  |  |  |  |
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| Time Stamp:                          | 12:22:27   |  |  |  |
| Application Type:                    | Utility under 35 USC 111(a)  |  |  |  |

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## File Listing:

| Document<br>Number | Document Description              | File Name  | File Size(Bytes)/<br>Message Digest          | Multi<br>Part /.zip | Pages<br>(if appl.) |
|--------------------|-----------------------------------|------------|--|---------------------|---------------------|
| 1                  | Request for status of Application | 230420.pdf | 34331<br>8713723bfa6b530b4069b35be4406f43ac6 | no                  | 1                   |
|                    |                                   |            | 4259d  |                     |                     |

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#### New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

### National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

#### New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.